

4500 15th St. E., Unit A • Tacoma, WA 98424 • Phone 253.926.0580, Fax 253.926.0599

June 30, 2006

Mr. Jim Brown Alaska Copper Works P.O. Box 3546 Seattle, Washington 98124-3546 3223 Sixth Avenue South 98134-2105

RE: TRI Form R Report Year End 2005 Due by July 3, 2006

Dear Mr. Brown

Please find that attached TRI Form R State Only Report

This report reflects activities involving EPCRA reportable toxic chemical purchased, used, released or disposed of in excess of 10,000 pounds.

Your signature on page one is necessary for proper submission. You need only sign in Section 3 and return by fax to 503-786-7877 sometime today or by next Monday July 3, 2006. Submittal of the Form R report to the reporting agency will be conducted by hand carrier.

Chromium compounds is the only toxic chemical actually purchased, used, released, and/or disposed of during the 2005 calendar year. Nitric acid in its original form (pure) and used in degreasing or brightening was not actually was not actually purchased in excess of 10,000 pounds and was treated with an efficiency of above pH of 6 thereby not reportable.

Keep in mind that based on review of previous reporting years, Alaskan Copper has reported nickel compounds. ROMIC finds no evidence of reportable nickel compounds purchased, used, released, or generated as a waste. It is our opinion that previous Form R reports may have been submitted in error.

Since there is a significant difference between the 2004 and 2005 reports, ROMIC anticipates some type of inquiry from the reporting agency. ROMIC is listed as the technical contact for your company and will address any questions relating to the current reporting year. ROMIC will assist in any corrective actions should previous reporting years require revision.

Your next reporting requirement is the 2006 hazardous waste annual report due by March 1, 2007.

Please feel free to contact me should you have any additional questions regarding this report.

Sincerely,

Matthew Dunn (b) (6)

PA Form 9350-1 (Rev. 1/2006) - Previous editions are obsolete.

Approval Expires: 1/31/2008

Page 1 of 5

	- EDA		FODM	- _			TRIF	acility ID Numbe	r		
-	EPA		FORM	K			9813	4LSKNC32006			
	ed States ironmental Protection incy	Section 313 of the to-Know Act of 198 Amendments and	86, also known as	Title III			Chro	Chemical, Cated mium Compound nite ore mined in	s (exce	pt for	
_	RE TO SEND COMPLETED FO	RMS: 1. TRI Data Pi	rocessing Center 2	APPRO	OPRIAT	E STATE O		Enter "X" here		l	rtog
1000	12 10 02110 001111 221231	P.O.Box 15				ns in Appen		is a revision	T		
. 1	the company of the	Lamam, W	D 20703-1913			1. 11.14		For EPA use o	niy		
lmp	ortant: See instructio	ns to determin	e when "Not A	pplic	able (NA)" bo	xes sho	uld be chec	ked.		
		PART I. FACI	LITY IDENTIF	ICAT	ION	INFORM	MATION				
SEC	CTION 1. REPORTING Y	EAR <u>2005</u>									
SEC	TION 2. TRADE SECRE	T INFORMATIO	N								
	Are you claiming the toxic che	nical identified on pag	ge 2 trade secret?			Is this cor	ру	Sanitized	U	Insaniti	ized
2.1	Yes (Answer question 2 Attach substantiat		NO (Do not answer 2 Go to Section 3)	2.2;	2.2	(Answer o	only if "YES"	' in 2.1)			
SEC	TION 3. CERTIFICATION	N (Important: Re	ad and sign afte	er com	pletin	g all forn	n section	s.)			
l here	eby certify that I have reviewed mation is true and complete and	the attached documer	nts and that, to the bo	est of my	y knowle curate b	edge and be ased on rea	lief, the sub sonable est	omitted imates			
	data available to the preparers		-		-						Oi
	Name and official title of owner/operator or senior management official:					Sign	ature:				Signed: 1/2006
	rown Operations Manager									06/30	12000
/	TION 4. FACILITY IDEN	TIFICATION		LTDIE	: !:4	National	201011 011	0.000000			
1.1	or Establishment Name					Number	98134LSK	Address (if different	from stre	et addre	ess)
	an Copper Works			, admity	O. LOUD	MONITOR TOUR	o or maning /	daress (ii dilierent	nom one	Ot dod!	,007
Street				Mailing	Address	J					
3200 6	6th Ave South			NA							
	ounty/State/Zip Code			City/Stat	te/Zip Co	de			C	Country	(Non-US
Seattle	e King		W 98134	L							
4.2	This report contains informati (Important: check a or b; che		- 1 ^ -	n entire acility	ь. [Part facilit		A Federal facility	d. [GOCO
4.3	Technical Contact Name	Matthew Dunn RO	MIC				Telep (b) (6	hone Number (ir 6)	rclude a	rea co	de)
	Email Address	matthewd@romic.	com								
4.4	Public Contact Name	Jim Brown						hone Number (ir 623-5800	iclude a	rea co	de)
4.5	SIC Code (s) (4 digits)	Primary a. 3498	b. 3471	C.	3443	d.		e.	f.		
4.7	Dun & Bradstreet a. (b) (6)					L				
7.7	Number(s) (9 digits) b.	, , ,									
SECT	TION 5. PARENT COMPA	NY INFORMATION	ON								
5.1	Name of Parent Company	NA X									
5.2	Parent Company's Dun & Bra	idstreet Number	NA X								

Printed using

TRI-ME RY2005 6.1.8

6/30/2006 09:42 AM

EPA FORM? PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
98134LSKNC32006
Toxic Chemical, Category or Generic Name
Chromium Compounds (except for chromite ore mi

	·		<u> </u>		Chromium Com	pounds (except for chromite ore mi			
	TION 1. TOXIC CHEMIC					completed Section 2 below.)			
	CAS Number (Important: Enter only or	ne number exactly a	s it appears on the Section 313 list. Enter o	category co	le if reporting a chem	nical category.)			
1.1	N090								
	Toxic Chemical or Chemical Category	Name (Important: E	Enter only one name exactly as it appears o	n the Section	on 313 list.)				
1.2	Chromium Compounds (except	for chromite ore	mined in the Transvaal Reg						
1.3		Complete only if Part	1, Section 2.1 is checked "Yes". Generic !	Name must	be structurally descri	iptive.)			
	NA Distribution of Each Member 0	of the Dioxin and	Dioxin-like Compounds Category	<i>1</i> .					
	(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be								
NA [
SEC	TION 2. MIXTURE COMP		****			completed Section 1 above.)			
	Generic Chemical Name Provided by	Supplier (Important	Maximum of 70 characters, including num	bers, letters	, spaces, and punctu	uation.)			
2.1	NA								
SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)									
3.1	Manufacture the toxic ch	emical: 3.5	Process the toxic chemica	l: 3.	3 Otherwise	use the toxic chemical:			
a.	Produce b.	mport							
	If produce or import:	a.	As a reactant	a	. As a che	emical processing aid			
nen .	For on-site use/processi	na b.	As a formulation componen	t b	. Asama	inufacturing aid			
C.		c.	As an article component	c	. X Ancillary	or other use			
d.	For sale/distribution	d.	Repackaging	İ	\J				
e.	As a byproduct		As an impurity						
f.	As an impurity	e.	· · ·	TANY	TIME DUDING	THE CALENDAR YEAR			
			TOXIC CHEMICAL ONSITE A	I ANI	I HAIE DOKING				
4.1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		rom instruction package.)	100	······································				
SEC	TION 5. QUANTITY OF T	HE TOXIC CH	EMICAL ENTERING EACH E			DIUM ONSITE			
			A. Total Release (pounds/year*) (Enter range code or estimate**)		eis of Estimate er code)	C. % From Stormwater			
5.1	Fugitive or non-point air emissions	NA X							
5.2	Stack or point air emissions	NA X							
5.3	Discharges to receiving streams or								
	Stream or Water Body I	Name							
5.3.1	NA .								
5.3.2									
5.3.3									
If add		n 5.3 are attache	d, indicate the total number of pag	es in this e: 1,2,3, e	box tc.)				

* For Dioxin or Dioxin-like compounds, report in grams/year

EPA Form 9350-1 (Rev. 1/2006) - Previous editions are obsolete.

)	E	PA FO	RN. P			and the second second		TRI Facili					_
PART	II. CHEMICAL - SP	ECIFIC	INFO	RMATI	ON (CONTIN	IUEC)	Toxic Che	emical	, Category,		neric Name or chromite ore m	ni
SECTIO	ON 5. QUANTITY OF TH	E TOXIC	CHEN	IICAL EN	ITERII	NG EACH	ENVIRO			<u> </u>			_
	on the property	N	A. Total	Release		year*) (ente	- 1	B. Basis of		nate			-
5.4.1	Underground Injection onsite	X								······································			_
5.4.2	Underground Injection onsite	X			- h								_
5.5	Disposal to land onsite												-
5.5.1.A	RCRA Subtitle C landfills	X							<u> </u>				
5.5.1.B	Other landfills	Х											
5.5.2	Land treatment/application farming	X								, , , , , , , , , , , , , , , , , , ,			
5.5.3A	RCRA Subtitle C Surface Impoundments	X											_
5.5.3B	Other surface impoundments	X											
5.5.4	Other disposal	×											
SECTIO	ON 6. TRANSFERS OF 1	ГНЕ ТОХ	(IC CHE	MICAL	N WAS	STES TO	OFF-SIT	E LOCAT	ION	3			
6.1 DIS	CHARGES TO PUBLICE	Y OWN	ED TRE	EATMEN	T WO	RKS (PO	TWs)						
6.1.A To	tal Quantity Transferred t	o POTW	s and Ba	asis of Es	timate								_
	Total Transfers (pounds/y (enter range code** or esting				6.1.	A.2 Basis (enter	of Estimat	te					
	(enter range code or estir	NA			+	(enter							_
6.1.B 1	POTW Name NA				L								_
POTW A	ddress												
City				State		County					Zip		_
6.1.B	POTW Name				***************************************		1	*****************					_
POTW Ad	ddress												
City			· · · · · · · · · · · · · · · · · · ·	State	T	County					Zip		_
If addition	nal pages of Part II, Section (5.1 are atta	ached, in	dicate the	total nu	mber of pa	iges						_
in this bo	x and indicate the P	art II, Sect	tion 6.1 p	age numb	er in thi	s box	(ex	ample: 1,2,	3, etc	.)			_
	N 6.2 TRANSFERS TO				ATION	1							_
	Off-Site EPA Identification World Reso		KCRA II			AZD9807	35500						_
Off-Site Lo	ocation Name World Reso	Juices Co											
Off-site Ad	ddress 8113 W Sherma	n St											
City Tol	lleson	State	AZ	County	Marico	oa			Zip	85353		Country (Non-US)	_
is location	under control of reporting faci	lity or pare	nt compa	nv?						/os	X	No	_

^{*} For Dioxin or Dioxin-like compounds, report in grams/year

											
FPA	FORN	R			-			Number	r		
1					ļ	3134LS					
PART II. CHEMICAL - SPECI	FIC INF	URIVIA	IIUN (COM HMOED	-					eneric Nam	
			-	· · · · · · · · · · · · · · · · · · ·	C	nromiu	ım Co	mpounds	s (except	for chromite	ore m
SECTION 6.2 TRANSFERS TO O	THER OF	FF-SITE L	OCATI	ONS (Continued)			,				
A. Total Transfers (pounds/year*) (enter range code** or estimate)		Basis of Es (enter code)							ment/Dis ecovery	sposal/ (enter code	:)
1. 13174.92	1.		С		1.	M24		•			
2. NA		2.									
3.	3.				3.						
4.	4.				4.						
6.2. Off-Site EPA Identification	Number (RCRA ID N	lo.)	T	1				·····	**************************************	
Off-Site location Name											
Off-site Address		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
City	State	Co	ounty				Zip			Country (Non-	
Is location under control of reporting fa	cility or pa	arent comp	any?] Ye	s		No	
A. Total Transfers (pounds/year*) (enter range code** or estimate)		Basis of Es (enter code)	timate		C. T	ype o Recyc	f Was ling/E	te Treati nergy R	ment/Dis ecovery	s posal/ (enter code)
1.	1.				1.						
2.	_		2.								
3. 3. 3.											
4. 4.											
SECTION 7A. ONSITE WASTE T	REATME	NT METH	IODS A	ND EFFICIENCY					11		
Check here	if no on-site	waste treat	ment is a	pplied to any r chemical category.				***************************************			
a. General b. Waste Treatment Waste Stream [enter 3-characte	Method(s)				d.			tment Ef		Estimate	
7A.1a 7A.1b	1		2					7A.1c			
3	4		5								
6	7		8								
7A.2a 7A.2b	1		2		1			7A.2d	l		
3	4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5		1						
6	7		8		7						
7A.3a	1		2		1			7A.3d	 		
3	4		5								
6	7		8		1						
7A.4a 7A.4b	1		2					7A.4d	l		
3	4								······································		
6	7	<u> </u>	8								
7A.5a 7A.5b	1		2		1			7A.5d			
3	4		5								
6	7		8		1						
If additional pages of Part II, Section 6.2/7	A are attac	hed, îndica	te the tot	al number of pages i	n this b	ox					
and indicate the Part II, Section 6.2/7A pag			-	(example: 1,2,3,							

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^{*} For Dioxin or Dioxin-like compounds, report in grams/year

EPA FORM R PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
98134LSKNC32006
Toxic Chemical, Category, or Generic Name
Chromium Compounds (except for chromite ore m

					Chromium C	ompound	s (except for chromite ore mi				
SEC	TION 7B. ON-SITE ENERGY R	ECOVERY PROCES	SES								
Х		re if no on-site energy recontaining the toxic chemical			е						
	Energy Recovery Methods [enter 3-cha	racter code(s)]									
	1	2			3						
SEC	TION 7C. ON-SITE RECYCLING	PROCESSES		`							
X		re if no on-site recyling is a ntaining the toxic chemica									
	Recycling Methods [enter 3-character c	ode(s)]									
	1 2 3										
SEC	TION 8. SOURCE REDUCTION	AND RECYCLING A	CTIVIT	IES							
		Column A	1	Column B	Column C		Column D				
		Prior Year (pounds/year*)	1	Reporting Year ounds/year*)	Following Year*		Second Following Year (pounds/year*)				
8.1						ر ما الراف المدرو عالي الما					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	otal on-site disposal to Class I nderground Injection Wells, RCRA					NA NA				
8.1b	Total other on-site disposal or other releases	NA	***************************************	NA	N	IA					
3.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA		NA	N	IA				
8.1d	Total other off-site disposal or other releases	NA NA			NA	N	A				
8.2	Quantity used for energy recovery onsite	NA	NA		NA		Α				
8.3	Quantity used for energy recovery offsite	NA NA			NA	N	A				
8.4	Quantity recycled onsite	NA	NA		NA	N	NA				
8.5	Quantity recycled offsite	8299	1317	4.92	14400		15300				
8.6	Quantity treated onsite	NA	NA	*****	NA	N.	A				
8.7	Quantity treated offsite	NA	NA		NA	N.	A				
8.8	Quantity released to the environment a or one-time events not associated with				NA						
8.9											
	Did your facility engage in any source reenter "NA" in Section 8.10.1 and answe	eduction activities for this or Section 8.11.	chemical c	during the reporting	g year? If not,	······································					
8.10											
8.10.1	NA	a.		b.		c.					
8.10.2		a.		b.		c.					
8.10.3		a.		b.		C.					
3.10.4		a.		b.		c.					
8.11	If you wish to submit additional optional pollution control activities with this report		uction, red	cycling, or		Y	es_				

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*For Dioxin or Dioxin-like compounds, report in grams/year

TRI Facility ID Number 98134LSKNC32006 Toxic Chemical, Category, or Generic Name
Toxic Chemical, Category, or Generic Name
Chromium Compounds (except for chromite ore
SECTION 8.11. Submit additional optional information on source reduction, recycling, or pollution control activities.

ROMIC AES

Ø 002



4500 15th St. E., Unit A . Tacoma, WA 98424 . Phone 253.926.0580, Fax 253.926.0599

June 30, 2006

Mr. Jim Brown Alaska Copper Works P.O. Box 3546 Seattle, Washington 98124-3546 3223 Sixth Avenue South 98134-2105

RE:

TRI Form R Report Year End 2005

Due by July 3, 2006

Dear Mr. Brown

Please find that attached TRI Form R State Only I

7-	786-7877
Post-It™ brand fax tran	
"Matthew D	una Franchion Davier
- ROMIC	Olospa terre
Dept.	Phone#
Fax# 503-786	-7874 206-281-0369

This report reflects activities involving EPCRA reportable toxic chemical purchased, used, released or disposed of in excess of 10,000 pounds.

Your signature on page one is necessary for proper submission. You need only sign in Section 3 and return by fax to 503-786-7877 sometime today or by next Monday July 3, 2006. Submittal of the Form R report to the reporting agency will be conducted by hand carrier.

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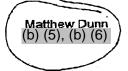
Keep in mind that based on review of previous reporting years, Alaskan Copper has reported nickel compounds. ROMIC finds no evidence of reportable nickel compounds purchased, used, released, or generated as a waste. It is our opinion that previous Form R reports may have been submitted in error.

Since there is a significant difference between the 2004 and 2005 reports, ROMIC anticipates some type of inquiry from the reporting agency. ROMIC is listed as the technical contact for your company and will address any questions relating to the current reporting year. ROMIC will assist in any corrective actions should previous reporting years require revision.

Your next reporting requirement is the 2006 hazardous waste annual report due by March 1, 2007.

Please feel free to contact me should you have any additional questions regarding this report.

Sincerely,



ROMIC AES

@003

IMP	ORTANT: Type or print: reed in	buctions before completing form)	Approval Expires	; 1/31/2008 Page 1 pg
		FORM	1 5	TRI Facility ID Number
	EPA			98134LSKNC3Z008
Eπ	vironmental Protection ency	Section 313 of the Entergetroy Frant to-Know Act of 1985, also known as Amendments and Resuthorization A	Title III of the Superfund	Taxle Chemical, Calegory or Generic Name Chromium Compounds (except for chromite ore mined in the Transvesi Reg
WHE	ere to send completed f	DRMS: 1. TRI Data Processing Center 2 P.O.Box 1513	2. APPROPRIATE STATE OFF (See instructions in Appendix	(F)
		Lenham, MD 20703-1513		For EPA use only
Imp	ortant: See Instruction	ns to determine when "Not A	Applicable (NA)" boxe	s should be checked.
200		PART I, FACILITY IDENTIF	FICATION INFORMA	TION
SE	CTION 1. REPORTING	TEAR 2005		
SE	CTION 2. TRADE SECR	ET INFORMATION		
2.1	Are you distining the toxic six Yes (Answer question) Attach substantle			Sanitized Unagnitized
SEC		N (Important: Read and sign aft	, ,	ections.)
infor	raby certify that I have reviewed mation is true and complete an g data available to the preparer	the attached documents and hat, to the bit that the amounts and values in this report	est of my knowledge and bella it are accurate based on reason	the submitted submittees
		ator or senior management princial:	Signato	(e: Darte Signed;
	rown Operations Manager	Mora Moun	10	MUD 1000 06/30/2006
SEC	TION 4. FACILITY IDEN	RIFICATION		
4.1	(1134LSKNC3ZDD6
	y or Establishment Name an Copper Works		and the second section of the second	Mailine Address (if different from street address)
Sheet		<u> </u>	Mailing Address NA	N
CitylC	ounty/State/Zip Code		City/State/Zip Code	Country (Non-US
Sautt)	King King	W \$8134		
4.2	This report contains information the containt check a or b; sho	1 7 1	An entire Part of a facility b, facility	A Federal GOCO
4.3	Technical Contact Name	Matthew Dunn ROMIC		(b) (6)
	Emall Address	matthewd@romic.com		
4.4	Public Contact Name	Jim Brown		Telephone Number (include area code) (206) 523-5800
4.5	SIC Code (s) (4 digits)	Primary a. 3498 b. 3471	c, 3443 d.	v. 1.
4.7	Dun & Bradstreet a. (b Number(s) (9 digits) b.) (6)		
SEC1	TION 5. PARENT COMP	NY INFORMATION		
5.1	Namo of Parent Company	NA X		
5.2	Perent Company's Dun & Br	adstreet Number NA X	1	
	om 0350-1 (Pay 1/2005) - Pr		Using TRI-ME RY2005 8.1.8	. 6/30/2006 09:42 AM

NA X

NA

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5.1

5.2

Name of Parent Company

Parent Company's Dun & Bradstreet Number

\ Form 9350-1 (Rev. 1/2006) - Previous editions are obsolete.

Approval Expires: 1/31/2008

	TANT: Type or print; read	mstruc				, , ,	prova	LAPITOS	TRI Fa	acility ID Number		
	EPA		İ	FORM	Τ.				98134	LSKNC32006		
vironmental Protection Agency Section 313 of the Emergency Planning and Community Right- to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act Toxic Chemical, Category or Generic Nar Chromium Compounds (except for chromite ore mined in the Transvaal Reg												
						ODDIAT	- OT	TE OFF		Enter "X" here if t		
WHER	WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center 2. APPROPRIATE STATE OFFICE P.O.Box 1513 (See instructions in Appendix F)											
			Lanham, MD 207							For EPA use only		
Impo	rtant: See instruc	tions	to determine wh	en "Not A	pplic	able (NA)	" boxe	s shou	uld be checke	d.	
1 12 14 1		Р	ART I. FACILITY	DENTIF	ICA	TION	INF	ORM/	ATION			
SEC	TION 1. REPORTING	G YE	AR <u>2005</u>	·							· .	
SEC.	ION 2. TRADE SEC	CRET	INFORMATION									
	Are you claiming the toxic	chemic	cal identified on page 2 tr	ade secret?			is t	his copy		Sanitized	Unsanitized	
2.1	Yes (Answer questi			o not answer 2 to to Section 3)	2.2;	2.2	(An	swer onl	y if "YES"	in 2.1)		
SECT	ION 3. CERTIFICAT			nd sign afte	r cor	npletir	ng al	l form	section	s.)		
inform	by certify that I have review ation is true and completed data available to the preparation	and th	at the amounts and valu	d that, to the be es in this report	est of r	ny knowl ccurate b	edge ased	and belie on reaso	ef, the sub onable est	mitted imates		
	and official title of owner/o	m		official:				3igrat	ure:		- Dala Sign	1 . (:
	wn Operations Manager										06/30/200	J6
SECT	ION 4. FACILITY ID	ENTI	FICATION									
1.1	ION 4: I AGIEIT 12					acility II				(NC32006		
lity	or Establishment Name	· · · · · · · · · · · · · · · · · · ·			Facili	y or Estat	olishme	ent Name	or Mailing A	ddress (if different from	n street address)	-
Alaska	Copper Works											
Street 3200 6	h Ave South				NA	a Address						
	inty/State/Zip Code				City/S	tate/Zip C	ode				Country (Nor	n-US
Seattle		ng	w	98134								
4.2	This report contains info			1 / 1	n enti	re b.		Part of facility		A Federal facility	ı. Go	СО
4.3	Technical Contact Name	e	Matthew Dunn ROMIC						Teler (b) (6	ohone Number (incl)	ude area code)	
	Email Address matthewd@romic.com											
4.4	Public Contact Name		Jim Brown						<u> </u>	ohone Number (incl) 623-5800	ude area code)	ال
4.5	SIC Code (s) (4 digits)		Primary a. 3498	ь. 3471		c. 3443		d.		е.	f.	
4.7	Dun & Bradstreet a	. (b)										
4./	Number(s) (9 digits)).										
SECT	ION 5. PARENT CO	MPAI	NY INFORMATION									

6/30/2006 08:43 AM

EPA FORM R

TRI Facility ID Number
98134LSKNC32006
Toxic Chemical, Category or Generic Name
Chromium Compounds (except for chromite ore mi

				• • • • • • • • • • • • • • • • • • • •	1					
	PART II. CHEMIC	CAL -	SPEC	IFIC INFORMATION	Ţ.	Toxic Chemical, Category or Generic Name				
		V				Chromium Compounds (except for chromite ore mi				
SEC	CTION 1. TOXIC CHEMIC	CAL IDE	NTITY	(Important: DO NOT co	omplete this	section if you	completed Section 2 below.)			
	CAS Number (Important: Enter only	one numbe	r exactly a	as it appears on the Section 313 list. Enter	category code i	f reporting a chem	nical category.)			
1.1										
1.2		<u> </u>	· · · · · · · · · · · · · · · · · · ·	Enter only one name exactly as it appears	on the Section	313 list.)				
1.4	Chromium Compounds (excep									
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.) NA									
1.4 NA [1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17									
SEC	CTION 2. MIXTURE COM	PONEN	IT IDE	NTITY (Important: DO NOT co	mplete this	section if you	completed Section 1 above.)			
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.) NA									
	SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)									
3.1	Manufacture the toxic ch	nemical:	3.2	Process the toxic chemica	l: 3.3	Otherwise	use the toxic chemical:			
a.	Produce b .	import								
:	If produce or import:		a.	As a reactant	а. [As a che	mical processing aid			
_/ c.	For on-site use/processi	ing	b.	As a formulation componen	t b . [b. As a manufacturing aid				
d.	For sale/distribution		c.	As an article component	c. [c. X Ancillary or other use				
е.	As a byproduct		d.	Repackaging						
f.	As an impurity		e.	As an impurity						
SEC	TION 4. MAXIMUM AMOL	JNT OF	THE T	TOXIC CHEMICAL ONSITE A	T ANY TIN	ME DURING	THE CALENDAR YEAR			
4.1	04 (Enter to	wo-digit	code f	rom instruction package.)						
SECT	TION 5. QUANTITY OF T	НЕ ТОХ	(IC CH	EMICAL ENTERING EACH E	NVIRONN	ENTAL ME	DIUM ONSITE			
				A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis (enter d	of Estimate code)	C. % From Stormwater			
5.1	Fugitive or non-point air emissions	NA	X							
5.2	Stack or point air emissions	NA	X							
5.3	Discharges to receiving strea water bodies (enter one name		1							
	Stream or Water Body I	Name								
5.3.1	NA									
5.3.2										
5.3.3										
lf addi	tional pages of Part II, Section	5.3 are	attached	I, indicate the total number of page	es in this box	·				
nd in	dicate the Part II, Section 5.3 p	page nun	nber in t	his box. (example	e: 1,2,3, etc.)					

^{*} For Dioxin or Dioxin-like compounds, report in grams/year

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^{**} Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
98134LSKNC32006
Toxic Chemical, Category, or Generic Name
Chromium Compounds (except for chromite ore mi

)		IE TOVIC	OUEM	IOAL EN	TEDIN	O FACU	CNVID					(Continued)
SECTION	ON 5. QUANTITY OF TH					ear*) (ente		B. Basis of			NOITE	<u>(continued)</u>
		N				r estimate)		(enter co				
5.4.1	Underground Injection onsite	X			*			,				
5.4.2	Underground Injection onsite	X	. 111						N 4			
5.5	Disposal to land onsite					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		milya ing dalamatahan pendahan dalamatahan 1991-yang				
5.5.1.A	RCRA Subtitle C landfills	Х										
5.5.1.B	Other landfills	X							···			
5.5.2	Land treatment/application farming	X										
5.5.3A	RCRA Subtitle C Surface Impoundments	Х		-								
5.5.3B	Other surface impoundments	s X										
5.5.4	Other disposal	X										
SECTION	ON 6. TRANSFERS OF	THE TO	(IC CHE	MICAL II	N WAS	STES TO	OFF-S	TE LOCAT	IONS	.		
6.1 DIS	CHARGES TO PUBLIC	LY OWN	ED TRE	ATMENT	r wor	RKS (POT	ΓWs)					
6.1.A To	otal Quantity Transferred	to POTW	s and Ba	sis of Est	timate							
1.A.1.	Total Transfers (pounds/	• .			6.1.4	A.2 Basis		nate				
	(enter range code** or esti		<u> </u>		<u> </u>	(enter d	code)					
	POTW Name NA	NA .			<u> </u>							
6.1.B 1	1 11/	Α										
POTW A	ddress											
City				State		County					Zip	
6.1.B	POTW Name											
POTW A	ddress											
City				State		County					Zip	
If addition	onal pages of Part II, Section	6.1 are att	ached, inc	dicate the	total nu	mber of pa	iges					
in this b	ox and indicate the	Part II, Sec	tion 6.1 pa	age numb	er in thi	s box		example: 1,2,	3, etc	.)		
SECTION	ON 6.2 TRANSFERS TO	OTHER	OFF-SI	TE LOCA	ATION	<u>s</u>						
6.2. <u>1</u>	Off-Site EPA Identification	Number	(RCRA ID	No.)		AZD9807	35500					
Off-Site I	Location Name World Res	sources Co										
Off-site A	Address 8113 W Sherma	an St	<u></u>									
City To	olleson	State	AZ	County	Maricor	ра			Zip	85353		Country (Non-US)
locatio	n under control of reporting fac	cility or pare	ent compar	ny?					1,	/es	Х	No

* For Dioxin or Dioxin-like compounds, report in grams/year

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EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
98134LSKNC32006
Toxic Chemical, Category, or Generic Name
Chromium Compounds (except for chromite ore m

	V 1 V 10					`		Cł	romium	Con	pounds	(except f	or chromite	ore m
SECTION 6.	2 TRANSFE	RS TO OTHI	ER OF	F-SITE	LOCAT	10	NS (Continued)							
A. Total Transfe		ear*)	B. Basis of Estimate (enter code)				C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)							
1. 13174.92			1.			0		1. 1	M24					4
2. NA			2.					2.						
3.			3.					3.						
4.,			4.					4.						
6.2. Of	ff-Site EPA Ide	entification Nu	mber (RCRA IE) No.)									
Off-Site location	Name													
Off-site Address	5					,								F
City			State		County				z	Zip			Country (Non-	
Is location und	der control of r	eporting facilit	y or pa	arent cor	npany?					Yes	3		No	
A. Total Transf		ear*)	В.	Basis of (enter cod	Estimate			C. T	ype of V Recyclin	Nast ig/Er	e Treatm nergy Re	ent/Dis covery	posal/ (enter code))
1.		· · · · · · · · · · · · · · · · · · ·	1.					1.						
- 2.			- 2.					2.						
3.			3.				3.							
4.			4.				4.							
X Not Appla. General Waste Stream	plicable (NA) -	Check here if no	on-site ontainin thod(s)	e waste tr ng the toxi	eatment is c chemica	ap	ID EFFICIENCY plied to any chemical category.	d.			ment Eff		stimate	
(enter code)	7A.1b	1	1	<u>, , , , , , , , , , , , , , , , , , , </u>	I	2	*. • • • • • • • • • • • • • • • • • • •				7A.1d	····		
7A.1a	3		-			5					77.10			
	6	7				8		7						
7A.2a	7A.2b	1	1			2					7A.2d			
	3	4				5								
	6	7				8								
7A.3a	7A.3b	1				2					7A.3d			
	3	4	-			5		_						
	6 7A.4b	7	 			8 2					7A.4d			
7A.4a	3	1	-			5		_			7A.4u			
	6	⁴ ₇	-			8		-						
7A.5a	7A.5b	1	1			2					7A.5d			
	3	4				5								
	6	7				8		1						
	•	ection 6.2/7A a		-	_	tota	I number of pages i		хох			J		

* For Dioxin or Dioxin-like compounds, report in grams/year

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EPA FORM R PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

rage Jorg
 TRI Facility ID Number
98134LSKNC32006
Toxic Chemical, Category, or Generic Name
Chromium Compounds (except for chromite ore m

PAF	RT II. CHEMICAL-SPECIFIC	Toxic Chemical, Category, or Generic Name							
			•	-	Chromium Con	npounds (except for chromite ore m			
) _{ECT}	ION 7B. ON-SITE ENERGY RE	COVERY PROCESS	SES						
X	Not Applicable (NA) - Check here stream con	e if no on-site energy reco taining the toxic chemical	very is app I or chemic	lied to any waste al category.					
	Energy Recovery Methods [enter 3-chara	acter code(s)]							
	1 3								
SECT	ION 7C. ON-SITE RECYCLING	PROCESSES							
Х	Not Applicable (NA) - Check here stream con	if no on-site recyling is a taining the toxic chemical	pplied to a	ny waste al category.					
	Recycling Methods [enter 3-character co	de(s)]							
	1	(N () N () 2		,	3				
SECT	ION 8. SOURCE REDUCTION	AND RECYCLING A	CTIVITIE	S					
		Column A		olumn B	Column C	Column D			
		Prior Year (pounds/year*)		Reporting Year inds/year*)	Following Year (pounds/year*)	r Second Following Year (pounds/year*)			
8.1			,						
8.1a	Total on-site disposal to Class I	NA	NA		NA	NA			
AMAC	Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		. 4,			AND THE RESIDENCE OF THE PROPERTY OF THE PROPE			
8.1b	Total other on-site disposal or other releases	NA	NA		NA	NA NA			
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA NA			NA	NA			
8.1d	Total other off-site disposal or other releases	NA	NA		NA	NA			
8.2	Quantity used for energy recovery onsite	NA	NA		NA	NA			
8.3	Quantity used for energy recovery offsite	NA	NA		NA	NA ·			
8.4	Quantity recycled onsite	NA	NA		NA	NA			
8.5	Quantity recycled offsite	8299	13174	.92	14400	15300			
8.6	Quantity treated onsite	NA	NA		NA	NA			
8.7	Quantity treated offsite	NA	NA		NA	NA			
8.8	Quantity released to the environment a or one-time events not associated with				NA				
8.9	Production ratio or activity index				1.09				
	Did your facility engage in any source reenter "NA" in Section 8.10.1 and answe		chemical d	uring the reportin	g year? If not,				
8.10	Source Reduction Activities [enter code(s)]		Methods to	Identify Activity (enter codes)				
8.10.1	NA	a.		b.		c.			
8.10.2		a.		b.		c.			
8.10.3		a.		b.		C.			
10.4		a.		b.		c.			
.11	If you wish to submit additional optional information on source reduction, recycling, or Yes pollution control activities with this report, check "Yes."								

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*For Dioxin or Dioxin-like compounds, report in grams/year

TRI Facility ID Number		
98134LSKNC32006		
Toxic Chemical, Category, or Generic Name		
omium Compounds (except for chromite ore		
SECTION 8.11. Submit additional opt	ional information on source reduction, recyclin	ng, or pollution control activities
		3,
	ري. اين د اين در رياست ريستان م رج ستان شاريد در د د اين مناسته معاييات مي <mark>ج</mark> سا	
		,
1		

MB	Numb	er: 2070-0093							
1/3	31/200	6	Page 1 of 5						
	TRI Fa								
	98134LSKNC32006								
-	Toxic Chemical, Category or Generic Name								
	Nickel Compounds								
ICE		Enter "X" here if this							
F)		is a revision							
		For EPA use only							
S 5	shou	ld be checked.							
ΑT	ION	, and all the second se	r engles en e						
		4							
		Sanitized Unsa	anitized						
y if '	'YES"	in 2.1)							

MPOR	TANT: Type or prin	i, roug mon							e expires.				
9	EPA						RC	L		 	cility ID Number SKNC32006		
					FΦF		A 1 1						
	ed States ronmental Prote	ection	to-Kno	n 313 of the Emer w Act of 1986, als iments and Reaut	o know	n as Ti	itle III (of the Sup	ity Right- erfund	-	Chemical, Categor Compounds	y or Ge	neric Name
							*****	DDIATE ST	ATE OFFIC	E T	Enter "X" here if	this	
NHER	E TO SEND COMP	LETED FO	RMS:	 TRI Data Processi P.O.Box 1513 	ng Cente				Appendix F		is a revision		
100			í Ny li	Lanham, MD 2070	1.5	11-1-			4 4 4 7 1		For EPA use only		
mpo	rtant: See in	structio		determine wh							ld be check	ed.	
			PAR	T I. FACILITY	IDE	NTIFI	CAT	ION INI	ORMA	LION	an an anna		
SEC	TION 1. REPO	ORTING '	YEAR	2004									
SEC	TION 2. TRAD	E SECR	ET IN	ORMATION									
				ntified on page 2 trade				1	this copy		Sanitized	u	nsanitized
2.1	Yes (Answer Attach	question 2 substantiat		101	o not an to Secti		2;	2.2 (A	nswer only i	"YES" i	n 2.1)		
SECT	TION 3. CERT	IFICATION	N (im	portant: Read a	ınd siç	gn afte	er con	npleting	all form :	sectio	ns.)		
i here	by certify that I have	reviewed t	ne attach	ed documents and th	at, to the	best of	my kno	wledge and	belief, the si	ubmitted			
	nation is true and con data available to the			amounts and values in port.	n this rep	ort are a	accurate	e based on	reasonable e	Similates		\ <u>\</u>	
Name	and official title of o	wner/operat	or or ser	ior management offic	ial:				Pignatur	ft_	Do No	19	De Signed
James	Brown Operations	Manager											06/20/2005
SECT	TION 4. FACIL	ITY IDE	NTIFIC	ATION									
4.1								cility ID Nu			NC32006		
ility	or Establishment Nar	na l				1	Facility of	v Establishe	nent Name or l	Viailing A	ddress (if different f	rom stre	et address)
Alackan Conner Works													
ska	n Copper Works	<u>"e</u>]					Alaskar	Copper W		_,			
Street	T T						Alaskar Mailing						
Street 3200 6							Alaskar Mailing / P.O. Bo	Copper W					Country (Non-US
Street 3200 6 City/Co	Sth Ave South	King		w s	98134		Alaskar Mailing / P.O. Bo	Address ox 3546			W 98124		Country (Non-US
Street 3200 6 City/Co Seattle	Sth Ave South	King				X Ar	Alaskar Mailing / P.O. Bo City/Stat	Address ox 3546		с. С	W 98124 A Federal facility	d. C	Country (Non-US
Street 3200 6 City/Co Seattle 4.2	ounty/State/Zip Code This report contain	King ins informal k a or b; ch	eck c or		F	X Ar	Mailing A P.O. Bo City/Stat Seattle	Address ox 3546 e/Zip Code	orks	Telep	A Federal facility	d. [GOCO
Street 3200 6 City/Co Seattle 4.2	ounty/State/Zip Code This report contai	King ins informal k a or b; ch	Dea	d if applicable)	F	X Ar	Mailing A P.O. Bo City/Stat Seattle	Address ox 3546 e/Zip Code	orks	Telep	A Federal facility	d. [GOCO
Street 3200 6 City/Co Seattle 4.2 4.3	ounty/State/Zip Code This report contai (Important : chec	King ins informat k a or b; ch ct Name	Dea	d if applicable) an Nguyen	F	X Ar	Mailing A P.O. Bo City/Stat Seattle	Address ox 3546 e/Zip Code	orks	Telep (800)	A Federal facility	d. C	GOCO ea code)
Street 3200 6 City/Co Seattle 4.2 4.3	onty/State/Zip Code This report contai (Important : chec Technical Contac	King ins informat k a or b; ch ct Name	Dea	d if applicable) an Nguyen guyen@ecrinc.com	F	X Ar	Mailing A P.O. Bo City/Stat Seattle	Address ox 3546 e/Zip Code	orks	Telep (800)	A Federal facility hone Number (inc. 800-7644	d. C	GOCO ea code)
Street 3200 6 City/Co Seattle 4.2 4.3	onty/State/Zip Code This report contai (Important : chec Technical Contac	King ins informat k a or b; ch t Name	Dea	d if applicable) an Nguyen guyen@ecrinc.com nes Brown Primary	a. C	X Ar fa	Alaskar Mailing A P.O. Bo City/Stat Seattle n entire cility	Address ox 3546 e/Zip Code	Part of a facility	Telep (800) Telep (206)	A Federal facility hone Number (inc. 800-7644 hone Number (inc. 623-5800	d. C	GOCO ea code)
Street 3200 6 City/Co Seattle 4.2 4.3 4.4 4.5	This report contact (Important : chec Technical Contact Email Address Public Contact N SIC Code (s) (4.0	King ins informat k a or b; ch t Name ame digits) Degrees	Des Dog Jan	d if applicable) an Nguyen guyen@ecrinc.com nes Brown Primary 3498 Minutes	a . b . 34	X Ar fa	Alaskar Mailing A P.O. Bo City/Stat Seattle n entire cility	n Copper W Address D DX 3546 e/Zip Code b.	Part of a facility d. Degrees	Telep (800) Telep (206)	A Federal facility hone Number (inc. 800-7644 hone Number (inc. 623-5800 e. Minutes	d. Clude ar	GOCO ea code) ea code) Seconds
Street 3200 6 City/Co Seattle 4.2 4.3 4.4 4.5	This report contact (Important : chec Technical Contact Note that Important : chec Technical Contact Note that Important : chec Technical Contact Note that Important is checked as a second contact Note that Important is checked as a second contact Note that Important is contact	King ins informat k a or b; ch t Name ame digits) Degrees 47	Des Dong	d if applicable) an Nguyen guyen@ecrinc.com nes Brown Primary 3498 Minutes 34	a . b . 34	X Ar fa	Alaskar Mailing P.O. Bo City/Stat Seattle n entire icility c.	n Copper W Address ox 3546 e/Zip Code b. 3443 ongitude	Part of a facility d. Degrees	Telep (800) Telep (206)	A Federal facility hone Number (inc. 800-7644 hone Number (inc. 623-5800 e. Minutes	d. Clude ar	GOCO ea code) ea code) Seconds 29
Street 3200 6	This report contact (Important : chec Technical Contact Email Address Public Contact N SIC Code (s) (4.0	King ins informal k a or b; ch t Name ame digits) Degrees 47	Des Dong Jan	d if applicable) an Nguyen guyen@ecrinc.com nes Brown Primary 3498 Minutes	b. 34	X Ar fa	Alaskar Mailing P.O. Bo City/Stat Seattle n entire cility c. Lo Facility Numbe	n Copper W Address DX 3546 e/Zip Code b. 3443 ongitude NPDES Per(s) (9 cha	Part of a facility d. Degrees 122	Telep (800) Telep (206)	A Federal facility hone Number (inc. 800-7644 hone Number (inc. 623-5800 e. Minutes 19 Underground (UIC) I.D. Nu	d. Clude ar	GOCO ea code) ea code) Seconds 29 on Well Code
Street 3200 6 City/Co Seattle 4.2 4.3 4.4 4.5 4.6 4.7	This report contact (Important : chec Technical Contact No SIC Code (s) (4 c Latitude Dun & Bradstree	King ins informat k a or b; choot Name ame digits) Degrees 47 et ts) 4.8	Des Dong Jan	d if applicable) an Nguyen guyen@ecrinc.com nes Brown Primary 3498 Minutes 34 dentification Number A I.D. No.) (12 charace	b. 34	X Ar fa	Alaskar Mailing P.O. Bo City/Stat Seattle n entire icility c. Lo Facility	n Copper W Address DX 3546 e/Zip Code b. 3443 ongitude NPDES Per(s) (9 cha	Part of a facility d. Degrees 122	Telep (800)	A Federal facility hone Number (inc. 800-7644 hone Number (inc. 623-5800 e. Minutes 19 Underground (UIC) I.D. Nu	d. Clude ar	GOCO ea code) ea code) Seconds 29 on Well Code

Parent Company's Dun & Bradstreet Number NA EPA Form 9350-1 (Rev. 2/2004) - Previous editions are obsolete.

SECTION 5. PARENT COMPANY INFORMATION

Name of Parent Company

TRI-ME RY2004 5.4.14 Printed using

(b) (6)

Alaskan Copper Companies

6/17/2005 11:05 AM

EPA FORM R Draft PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
98134LSKNC32006
Toxic Chemical, Category or Generic Name
Nickel Compounds

	PART II. CHEMICA	AL - SPE	CIF	IC INFORMATION		Toxic Chemical, Category of Generic Name					
						Nickel Compounds					
	TION 1. TOXIC CHEMICA			e de			mpleted Section 2 below.)				
	CAS Number (Important: Enter only on	e number exac	tly as i	t appears on the Section 313 list. Enter ca	ategory cod	e if reporting a chen	nical category.)				
1.1	1.1 N495 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)										
	oxic Chemical or Chemical Category	Name (Importa	nt: En	ter only one name exactly as it appears or	n the Section	on 313 list.)					
	Nickel Compounds										
1.5 ⊦	NA										
,	If there are any numbers in hoves 1-1	7, then every fie should equal 10	eld mu	ioxin-like Compounds Category. st be filled in with either 0 or some numbe f you do not have speciation data available 7 8 9 10	er between e, indicate i	0.01 and 100. Distri NA.) 12 13	bution should be				
NA _											
SEC	TION 2. MIXTURE COMP	ONENT I	DEN	TIT (Important: DO NOT com	plete this	section if you co	ompleted Section 1 above.)				
	Generic Chemical Name Provided by	Supplier (Impor	tant: N	flaximum of 70 characters, including numb	bers, letters	s, spaces, and punct	uation.)				
2.1	NA										
SECT	SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)										
3.1	Manufacture the toxic ch	emical	3.2	Process the toxic chemical:	3.3	3 Otherwise	use the toxic chemical:				
a. Produce b. X Import If produce or import: a. As a reactant b. As a formulation component c. X For on-site use/processing d. For sale/distribution c. X As an article component e. As a byproduct f. As an impurity e. As an impurity e. As an impurity e. As an impurity						nufacturing aid					
SECT	As an impurity	NT OF TH	IE T	OXIC CHEMICAL ONSITE A	AT ANY	TIME DURING	G THE CALENDAR YEAR				
4.1				om instruction package.)							
SECT	ION 5. QUANTITY OF TH	HE TOXIC	CHI	EMICAL ENTERING EACH E	ENVIRO	NMENTAL M	EDIUM ONSITE				
				A. Total Release (pounds/year*) (Enter range code or estimate**)		is of Estimate er code)	C. % From Stormwater				
5.1	Fugitive or non-point air emissions	NA 🗌		Α		0					
5.2	Stack or point air emissions	NA 🗀									
5.3	Discharges to receiving streams water bodies (enter one name p										
	Stream or Water Body	Name									
5.3.1	NA					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
5.3.2											
5.3.3											
	tional pages of Part II, Section 5			ndicate the total number of pages in box. (example:							

* For Dioxin or Dioxin-like compounds, report in grams/year

EPA Form 9350-1 (Rev. 2/2004) - Previous editions are obsolete.

	EPA FORM MICAL - SPECIFIC INF	R)	raff	
PART II. CHE	MICAL - SPECIFIC IN	ORMATION	N (CONT	ÎNUED)

TRI Facility ID Number	
98134LSKNC32006	
Toxic Chemical, Category, or Generic Name	е
Nickel Compounds	

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)							Toxic Chemical, Category, or Generic Name					
	and the state of t	V		Nickel Con	npoun	ds						
SECTIO	ON 5. QUANTITY OF	THE TOX	C CHEM	ICAL E	NTERI	NG EAC	H ENVIF	RONMENTA	AL M	EDIUM C	DNSI	E (Continued)
	eren variante	N	A. Total F	Release		ear*) (enter estimate)	range	B. Basis of (enter co		ate	·	
5.4.1	Underground Injection ons to Class I Wells	site X					1:					
5.4.2	Underground Injection ons to Class II-V Wells	site X										
5.5	Disposal to land onsite											
5.5.1.A	RCRA Subtitle C landfills	Х										
5.5.1.B	Other landfills	X										
5.5.2	Land treatment/application farming	X										
5.5.3A	RCRA Subtitle C Surface Impoundments	X										
5.5.3B	Other surface impoundme	ents X								,		
5.5.4	Other disposal	X										
SECTIO	ON 6. TRANSFERS	OF THE TO	XIC CHE	MICAL	IN WA	STES TO	O OFF-S	SITE LOCA	TION	IS		
6.1 DIS	CHARGES TO PUBI	LICLY OW	NED TRE	ATME	OW TV	RKS (PO	TWs)					
6.1.A To	otal Quantity Transfer	red to POTV	Vs and Ba	asis of E	stimate	•						
1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate) 6.1.A.2 Basis of Estimate (enter code)												
A M												
	POTW Name	Metro										
6.1.B 1		PO4 Conend	A									
POTW A	ddress	821 Second										
City S	Seattle			State	WA	County	King				Zip	98104
6.1.B	POTW Name											
POTW A	ddress											
City				State		County					Zip	
If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages												
in this box and indicate the Part II, Section 6.1 page number in this box (example: 1,2,3, etc.)												
SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS												
6.2. <u>1</u>	Off-Site EPA Identifica	tion Number	(RCRA II	O No.)		AZD9807	35500	The state of the s				
Off-Site L	ocation Name World	Resources Co	mpany									
Off-site A	ddress 8113 West S	Sherman										
City Ph	noenix	State	AZ	County	Maricor	oa .			Zip	85043		Country (Non-US)
location	location under control of reporting facility or parent company? Yes X No											

* For Dioxin or Dioxin-like compounds, report in grams/year

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^{**} Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500 - 999 pounds.

							Cı	TRI Fa	cility ID Number			
EPA FORM R DICAST NUED)								98134LSKNC32006				
PART II CHI	EMICAL - SP	ECIFI	CINFO	INFORMATION (CONTINUED)					Chemical, Catego	ry, or Generic Name		
TAKT III. OTT.									Nickel Compounds			
ECTION 6.2	TRANSFERS 1	го оті	HER OF	F-SITE	LOCATI	OI	IS (Continued)					
A. Total Transfer	rs (pounds/year*) de** or estimate)		B. B	asis of E	stimate			C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)				
1. A			1.		0			1. M24				
2. NA			2.					2.				
3.			3.					3.				
4.			-4.					4.				
6.2. Off	-Site EPA Identific	cation N	lumber (l	RCRA II	O No.)							
Off-Site location	Name									The state of the s		
Off-site Address										Country		
City			State		County				Zip	(Non-UŚ)		
Is location und	er control of repo	rting fac	ility or pa	arent co	mpany?				Yes	No No		
A Total Transfe	ers (pounds/year*) code** or estimate)		B. E		Estimate			C. Typ	e of Waste Treat ycling/Energy R	ment/Disposal/ Recovery (enter code)		
1.			1.					1.				
2.			2.	2.					2.			
3.			3.	3.					3.			
4.			4.					4.	's			
SECTION 7A	A. ONSITE WAS	STE T	REATME	ENT M	ETHODS	A۱	ID EFFICIENCY	<u> </u>				
	Cher	k here if	no on-site	waste tre	atment is ap	plie	d to any emical category.					
a. General Waste Stream (enter code)		atment N	lethod(s) S	thod(s) Sequence c. Range of In								
7A.1a	7A.1b	1		2			7A.1c		7A.1d	7A.1e		
74.14	3] 4		5		-			%	Yes No		
	6 7A.2b	7		8		十	7A.2c		7A.2d	7A.2e		
7A.2a	3	1 1		- 2 5		1			%	Yes No		
	6	7		8		\perp						
7A.3a	7A.3b	1		2		_	7A.3c		7A.3d	7A.3e		
	3	4		5		4			%	Yes No		
	6 7A.4b	7		8		+	7A.4c		7A.4d	7A.4e		
7A.4a		1 7 4		$\frac{1}{5}^{2}$		\dashv	/A.4C		. rus	Yes No		
	6	7		→ 8		\dashv		1	%			
7A.5a	7A.5b	1		2		\dagger	7A.5c		7A.5d	7A.5e		
/ A.Va	3	4		5					%	Yes No		
	6	7		8	<u> </u>	_	<u> </u>	1	r			
If additional pag	ges of Part II, Section	on 6.2/7A	are attac	hed, ind	icate the tot	al n	number of pages in	tnis box i. etc.)	L			
and indicate the Part II, Section 6.2/7A page number in this box: (example: 1,2,3, etc.)												

* For Dioxin or Dioxin-like compounds, report in grams/year

EPA Form 9350-1 (Rev. 2/2004) - Previous editions are obsolete.

^{**} Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

3.0	CHEMICAL-	EPA	FORM	R	n.		ft.	
PART II.	CHEMICAL-	SPECIF	IC INFO	ORMA	Heli	(CON	TNUE	D

TRI Facility ID Number
98134LSKNC32006
Toxic Chemical, Category, or Generic Name
Nickel Compounds

	EPA F	ORMR	rat		98134LSKNC32	2006				
PAF	EPA F RT II. CHEMICAL-SPECIFIC	Toxic Chemical,	Category, or Generic Name							
		<u>and a few control of the second control of </u>	· \		Nickel Compour	nds				
CTION 7B. ON-SITE ENERGY RECOVERY PROCESSES										
X										
	Energy Recovery Methods [enter 3-charac	ter code(s)]								
	1 2 3									
SECT	SECTION 7C. ON-SITE RECYCLING PROCESSES									
Х	X Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.									
	Recycling Methods [enter 3-character code	e(s)]								
1	2	3		4		5				
6	7	8		9		10				
SECT	ION 8. SOURCE REDUCTION	AND RECYCLING	ACTIVITI	FS						
3501	TON 6. SOURCE REDUCTION			olumn B	Column C	Column D				
		Column A Prior Year	_	Reporting Year	Following Year	Second Following Year				
0.4		(pounds/year*)	(рос	inds/year*)	(pounds/year*)	(pounds/year*)				
8.1 8.1a	-Total on-site disposal to Class I				NA					
o. Id	Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA		- NA	NA				
8.1b	Total other on-site disposal or other releases	4	4		4	4				
	Total off-site disposal to Class I	1	1	<u></u>	1	1				
	Underground Injection Wells, RCRA Subtitle C landfills, and other landfills									
8.1d	Total other off-site disposat or other releases	NA	NA		NA	NA				
8.2	Quantity used for energy recovery onsite	NA	NA		NA	NA				
8.3	Quantity used for energy recovery offsite	NA NA		NA		NA				
8.4	Quantity recycled onsite	NA	A NA		NA	NA				
8.5	Quantity recycled offsite	6000	1000		1000	1000				
8.6	Quantity treated onsite	NA	NA NA		NA	NA				
8.7	Quantity treated offsite	NA	NA		NA	NA				
8.8	Quantity released to the environment as a one-time events not associated with prod			ic events, or	NA	······································				
8.9	Production ratio or activity index				83.00					
	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.									
8.10	Source Reduction Activities [enter code(s)]		Methods to	dentify Activity (e	nter codes)					
8.10.1	W19	a. T04		b.		С.				
8.10.2	W29	a. T03		b.		c.				
8.10.3	W39	a. T01		b.		С.				
0.4	NA	a. b. c.								
8.11	Is additional information on source reduction, recycling, or pollution control activities Yes No Included with this report ? (Check one Box)									

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X

^{*}For Dioxin or Dioxin-like compounds, report in grams/year

Chemical Aids / CAMED Tooling / Evaporation Calculator

Evaporation Calculator

Use this calculator to estimate the initial rate at which any of seven toxic chemicals evaporates from aqueous solution. You can use this evaporation rate estimate in ALOHA.

Notes: (1) For each chemical, the Chemical menu displays the name of the aqueous solution followed by the name of the evaporating solute in brackets. (2) The calculator estimates only the initial evaporation rate. For highly-concentrated solutions, the initial rate can often be substantially higher than the rate averaged over time periods of a few minutes or more. (3) The calculator can estimate evaporation rate only within particular temperature and concentration ranges that are different for each chemical. (4) To predict evaporation rate, the calculator assumes that the solution is free of impurities, is not reacting with any other substances, and is not polymerizing.

▶ <u>Instructions</u> - for using the calculator and for using a rate estimate in ALOHA.

Chemical: Nitric Acid [Nitric Acid]	
source. Near the spill, nitric acid moist air. TEMP./PRESS. LIMITS: The nitric acid from aqueous solutions c nitric acid, at temperatures from ro	pose a significant hazard far from the evaporates to generate dangerous fumes i calculator estimates evaporation rates o ontaining roughly 20 to 100 percent
Wind Speed: 1	knots
Concentration (Weight Percent): 50	%
Ambient Temperature: 68	F
Alongwind Puddle Length: 20	feet
Crosswind Puddle Width: 8	feet
Adjust for high volatility (<u>Huh?</u>)	
Calculate	
Initial Evaporation Rate: .00386	pounds/min
Initial Partial Pressure: 36.0	Pascal

Downloading the Calculator

You'll also need a <u>story set that supports an ascript</u> [Lycos website], but you won't need an Internet connection. The calculator is a set of HTML and Javascript files that runs on Windows, Macintosh, and other kinds of computers. It's in zipped (compressed) format, so you'll need to unzip (uncompress) it into a folder on your hard drive (most current browsers will automatically unzip it, otherwise, you can use <u>Stuffit Expander</u>). To run the calculator, from your web browser's File menu, choose either Open File or Open Page, then open the evap.html file.

Download evapcalc.zip (22K)

Revised: